



Project Number: _____
For U&CF Use Only

GRANT APPLICATION FORM

Arizona Community Challenge Grant Program

Project Title: Bullion Plaza Landscape Restoration and Rainwater Harvesting Project
Category: 1, 2, 5, 6
Location (City): Miami Arizona
Tree City USA (if applicable): _____ ☐ Yes ☒ No
Name of Applicant: Bullion Plaza Cultural Center & Museum
Address of Applicant: P.O. Box 176
City: Miami State: AZ Zip: 85539
Contact Person: Thomas N. Foster Daytime Phone: 602.432.7474
E-Mail: az.terr1912@yahoo.com Organization's Federal ID: 86-1028253

Brief Project Description: (Please attach a separate, maximum 3-page narrative that clearly states the project need, objectives, methods, and deliverables.)

Is this project currently funded?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was this project previously funded?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Will this project be possible without grant funding?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Can this project occur without full requested amount?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

(a) UCF Funds Requested	\$ <u>9,075.00</u>
(b) Local \$ Match Provided	\$ <u>1,500.00</u>
(c) Value of In-Kind Match	\$ <u>7600.00</u>
Total Project Amount (a+b+c)	\$ <u>18,175.00</u>

Timetable: (Starting Date) 11/18/2014 (Ending Date) 12/31/2015
Volunteer Involvement [Name of Group(s)]:
University of Arizona Gila County Coop. Extension, UA Gila County Master Gardeners, Boyce Thompson Arboretum, BPCC&M volunteers, Town of Miami, Ram Specialists, Western Reprographics, Gila County Community College, comm. service workers

Thomas N. Foster
Name of Representative

[Signature]

Signature of Authorized Representative

Executive Director
Title of Representative

10/24/2015

Date



Project Number: _____
For U&CF Use Only

BUDGET PROPOSAL FORM

Arizona Community Challenge Grant Program

Applicant Name: Bullion Plaza Cultural Center & Museum

Project Title: Bullion Plaza Landscape Restoration & Rainwater Harvest

Item	Grant Share Direct Expenses or Cash Purchases	MATCH			Total
		Applicant Direct Expenses or Cash Purchases	Applicant In-kind Personnel Services: Volunteer and Staff Hours	Applicant In-kind Donated: Services, Supplies, or Equipment use	
Administration (Project-allocable general overhead costs)	\$825.00	\$0.00	\$1,000.00	\$0.00	\$1,825.00
Personnel (Project-related Labor, both staff and volunteer time, Fringe Benefits)	\$0.00	\$1,500.00	\$4,600.00	\$0.00	\$6,100.00
Contracted Services (Forestry professionals, consultants, landscape architects, arborists, engineers, etc.)	\$2,250.00	\$0.00	\$1,500.00	\$0.00	\$3,750.00
Supplies (itemize as necessary – plant materials, research materials, educational materials, postage, etc.)	\$5,500.00	\$0.00	\$0.00	\$500.00	\$6,000.00
Other: Guest Reimbursement	\$500.00	\$0.00	\$0.00	\$0.00	\$500.00
TOTAL:	\$9,075.00	\$1,500.00	\$7,100.00	\$500.00	\$18,175.00

This form is for the summary of your budget information. A detailed list of expenditures and a budget narrative should be provided on additional pages if necessary.

Project Narrative: Bullion Plaza Landscape Restoration and Rainwater Harvesting Project

Bullion Plaza Cultural Center & Museum (BPCC&M) has partnered with Christopher Jones, the University of Arizona's Gila County Cooperative Extension Agent and Boyce Thompson Arboretum (managed by Arizona State Parks and the University of Arizona), whose mission is to instill in people an appreciation of plants through the fostering of educational, recreational, research, and conservation opportunities associated with arid-land plants. As partners, our goal and our project need is to provide a central point to advocate for urban and community forestry in Gila County by restoring the trees and landscape around this landmark school in which the cultural center and museum is housed, and by demonstrating rainwater harvesting techniques for irrigation and water conservation. Bullion Plaza is dedicated to preserving, presenting, and exploring the culturally diverse history, the human experience, and the natural environment unique to the Miami-Globe region of Arizona. We achieve this mission through exhibits, education programs, collections, publications and outreach programs that are designed to serve, engage and enrich the individual and the community.

Bullion Plaza's resurrection in 2001 started with our IRS 501(c) 3 status. The Historic Bullion Plaza School Building is located at 150 North Plaza Circle, Miami, Az, in Gila County. The school was built in 1923 by El Paso Architects and Engineers, Trost & Trost, in their favored Neoclassical Revival style that includes four Ionic columns that frame the front door. There are few architectural crown jewels in Gila County, Bullion Plaza is one of them. It was originally built as a segregated school to educate Mexican and Apache children. It was desegregated in 1950 continuing to educate and inspire its students until 1994 when it was closed. The building was leased to BPCC&M for the purpose of preserving the area's past by depicting its diverse population, and offering a venue for community activities, lectures, and education. The building is also on the Register of Historic Places.

Over years of neglect, the landscaping lost its original charm and most of the vegetation that gave it a feeling of life. Lack of an adequate watering system allowed trees and shrubs to die, leaving a denuded appearance. With this hindsight, we understand how crucial advocacy for urban forestry is in fighting blight and neglect that can overcome a community. Our need grows from the desire to renew the original historic look while incorporating a new stewardship in what was and what can be again. We wish to create a focal point for urban forestry and community pride at Bullion Plaza which will translate to the community as a whole. We also anticipate this change in perception will result in the Town of Miami pursuing Tree City USA recognition.

This grant possibility presents us with a unique opportunity and project benefit to 1.) Return Bullion Plaza's landscape to its historic and former glory; 2.) Advocate and educate the appreciation of the urban forest; and 3.) Demonstrate modern water conservation techniques to educate about water conservation. To match the architectural and historical style, we will use a Mediterranean palette of plant species, and native species as appropriate. We will obtain our end goal by educating student volunteers with classes that will inspire and enlighten them to the importance of arboriculture and the necessity of stewardship in preserving our trees, water, and green spaces. These volunteers will in turn provide in-kind services to bring about the benefits described above together.

Project Methods:

i. Activities (scope of work)

Objective 1.) Return Bullion Plaza's landscape to its historic and former glory (Category 5).

- Teach UA Gila County Master Gardener course as offered through Eastern Arizona College's Gila-Pueblo Campus, at Bullion Plaza in Miami, Arizona, with the Landscape Restoration and Rainwater Harvesting Project as the expressed volunteer activity.
- Use historic photos and knowledge of site adapted plants to landscape Bullion Plaza, incorporating a Mediterranean style landscape design to complement the building's architecture as appropriate.
- Install landscape design as described below in timetable.

Objective 2.) Advocate for and educate about the urban and community forest (Category 1, 2).

- Use UA Gila County Master Gardener course to educate student volunteers about the importance of the urban and community forest, and its advocacy.
- Lead volunteers to design project signage, including species and interpretative plaques.
- Coordinate and lead volunteers to design and deliver an educational lecture series at Bullion Plaza focused on urban and community forestry advocacy, including encouraging the Town of Miami to seek Tree City USA recognition.

Objective 3.) Demonstrate rainwater harvesting techniques for irrigation and water conservation (Category 5, 6).

- Use UA Gila County Master Gardener course to educate student volunteers.
- Lead volunteers to install water harvesting and irrigation system as an integral part of the overall project, featuring two 750-gallon tanks to store rainwater from the building's roof.
- Include rainwater demonstration project as interpretative sign and in lecture series.

ii. Participants:

- | | |
|--|--|
| • Boyce Thompson Arboretum (Plant Materials, expert guidance, signs) | • Ram Specialists (Construction contractor/in-kind and paid) |
| • University of Arizona Gila County Cooperative Extension | • Town of Miami and residents |
| • UA Gila County Master Gardeners | • Community service workers |
| • Gila County Community College | • Western Reprographics (Signage and UCF recognition/in-kind and paid) |
| • Bullion Plaza board and volunteers | |

iii. Administration:

- Bullion Plaza Cultural Center & Museum (BPCC&M) will administer the grant; UA Gila County Cooperative Extension will help train and work with volunteers in partnership with BPCC&M.

iv. Facilities and Equipment:

- Bullion Plaza Cultural Center and Museum (Facility); Town of Miami (Facility and Equipment); and Ram Specialists (Equipment)

v. Timetable:

- January 2015
 - Interface and further discussion with Town of Miami and partners about grant

- Promote Landscape Restoration and Rainwater Harvesting Project in community
 - Offer Master Gardening Course through Gila County Community College at Bullion Plaza
- February 2015
 - Discuss landscape design and plant selections with class
 - Design water harvesting system (irrigation and timers)
 - Redesign remainder of sprinkler system for lawn (in-kind work)
 - Design signs for plant identification and advocacy, and grantor recognition
 - Purchase water tanks
- March 2015
 - Purchase other installation materials (PVC pipe, connectors, timers, etc.)
 - Discuss lecture series and displays for urban and community forestry advocacy, including water harvest demonstration display (and video)
 - Finalize landscape and water harvesting design and plant selections
- April 2015
 - Start installation phase; install water tanks, timers and PVC to landscape areas
 - Purchase plant materials
- May 2015
 - Install irrigation pipes, emitters, bubblers, timers, etc.
 - Dig planting holes; lay ground fabric
 - Install plant materials and signs; Lay decorative gravel
 - End training course
- June 2015
 - Inauguration of UCF Project; hosted by the museum, Cooperative Extension and Master Gardeners, the arboretum and Town of Miami. Speakers include ASLD UCF Forester, Mayor of Miami and Arboretum Director.
 - Initiate community lecture series to advocate for the urban and community forest (joining Museum tradition of the Hardscrabble and 1st Friday Lectures).
- July – December 2015
 - Continue lecture series, UCF advocacy demonstrations
 - Maintenance, follow-up and upkeep of landscape, signage and demonstrations.
- 2016-2020
 - Follow through on maintenance plan, on-site ISA/CLP inspection, and ongoing lectures and demonstrations

Outcomes:

- Objective 1.) Return Bullion Plaza's landscape to its historic and former glory: The landscape at Bullion Plaza is historically appropriate, an attractive and inspiring setting for visitors and viewers, and a source of community pride.
- Objective 2.) Advocate for and educate about the urban and community forest: Bullion Plaza is a focal point for urban forestry and community for Gila County, with educational programs and interpretive signage that advocate for the community forest.
- Objective 3.) Demonstrate rainwater harvesting techniques for irrigation and water conservation: Bullion Plaza's demonstration project provides evidence that rainwater harvesting is practical, affordable and effective, and others in the community are inspired to conserve Arizona's most precious resource and to care for our trees and landscapes.

Budget Narrative:

Administration: Museum director, Tom Foster, and board members will conduct grant administration activities including purchasing materials, documenting in-kind volunteer services, preparing reimbursable payments, and other administrative activities as appropriate; \$825 (Grant Share-Allowable IDC); \$1000 (In-kind Share).

Personnel: 1.) Museum staff will assist with grant activities as described above throughout the grant period; \$1500 (In-kind Share). 2.) Project volunteers, including students trained for the project, and other museum volunteers, the UA Cooperative Extension Agent, and other project expertise as appropriate, will conduct grant activities to completion throughout the grant period; \$4,600 (In-kind Share).

Contracted Services: 1.) Ram Specialists (construction contractors) are members of the Bullion Plaza Museum Board of Directors and important supporters of the museum. Their services and guidance for the tank and irrigation installation are necessary to successfully execute critical grant activities; \$1500 (Grant Share); \$1500 (In-kind Share). 2.) Equipment rental will be necessary for some key grant activities. For example, the use of a trencher digger for the irrigation system; \$750 (Grant Share).

Supplies & Materials: 1.) As identified by objective, the following materials are anticipated for the grant project (\$5,500 Grant Share, total):

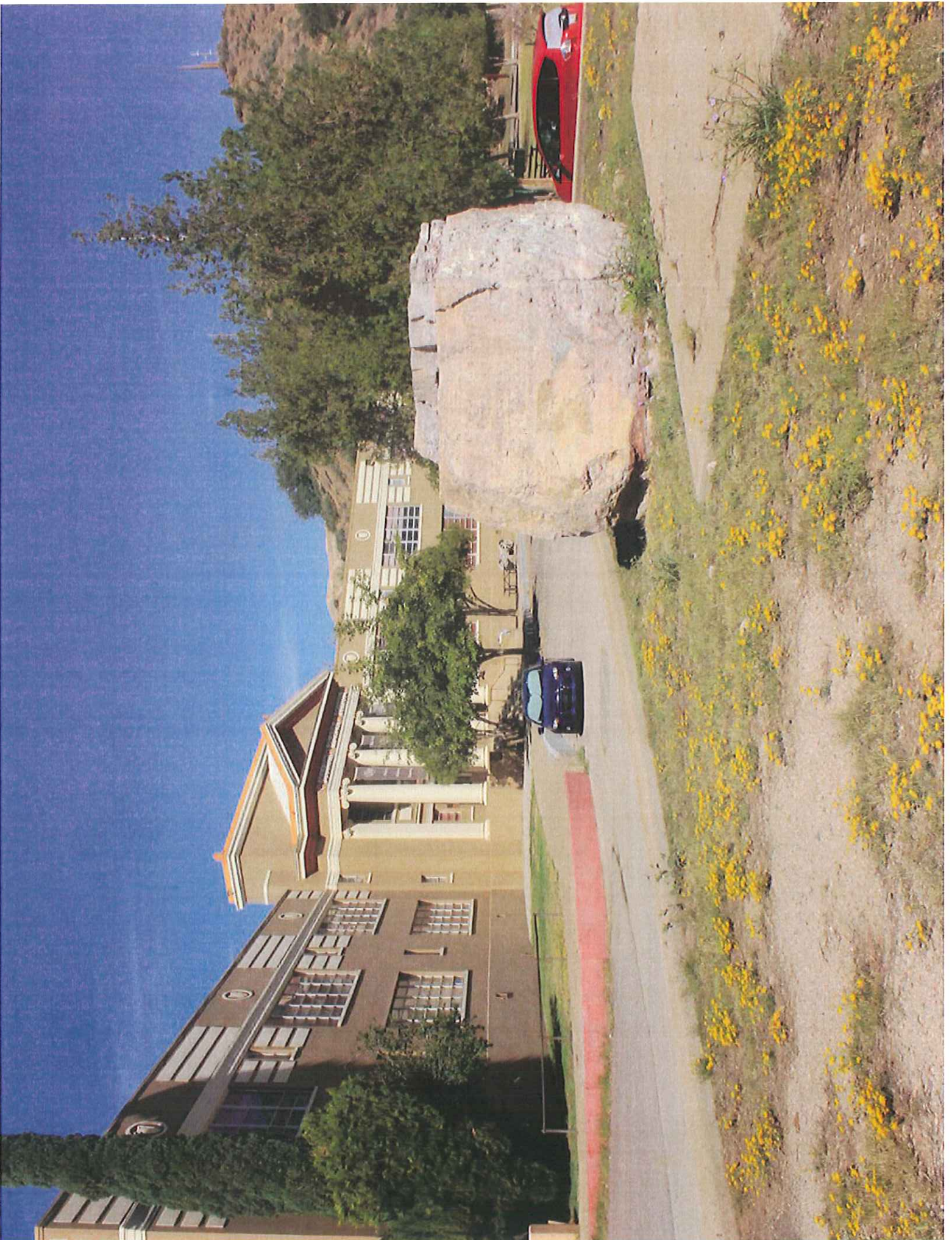
- Objective 1.) Return Bullion Plaza's landscape to its historic and former glory.
 - Planting materials: \$600
- Objective 2.) Advocate for and educate about the urban and community forest.
 - Signs and posts (approx 40), including interpretive signs: \$500
- Objective 3.) Demonstrate rainwater harvesting techniques for irrigation and water conservation.
 - Water tanks (2), min. 750 gallon: \$1,600
 - Concrete pedestal and vandal protective box for tanks: \$1,200
 - Drip tube, multi stream drippers, connectors, tees & fittings: \$175
 - Timers (2): \$200
 - PVC pipe and fittings: \$275
 - Weed fabric: \$150
 - Decorative gravel: \$800

2.) Various plant materials and sign creation, and unanticipated supplies, materials and equipment will be provided via in-kind donation: (\$500 In-kind Share)

Other: To assure a successful lecture series, a modest amount of funds to reimburse high quality invited guest speakers for their travel expenses is requested (enough for 2-3 speakers anticipated): (\$500 In-kind Share).

Five-year Maintenance Plan: As the façade of the museum, maintenance is of the highest importance and interest of the Bullion Plaza Cultural Center and Museum. Museum and Town of Miami staff will make regular inspections and repair to maintain the irrigation system and health of the trees and plants. Periodic cleaning events for weeds and pruning will be organized (2-3 per year), with the assistance of Master Gardener and Bullion Plaza volunteers. Bullion Plaza Museum and UA Gila County Cooperative Extension will coordinate with the UCF Forester to conduct an on-site inspection with an ISA/CLP professional in 2016.







Boyce Thompson
Arboretum

Cooperatively
Managed By:

Boyce Thompson
Southwestern
Arboretum, Inc.

The University
of Arizona

Arizona State
Parks

October 22, 2014

**Community Challenge Grant Program
Arizona State Forestry Division
Urban and Community Forestry
1110 West Washington, Suite 100
Phoenix, AZ 85007-2935**

To whom it may concern:

Boyce Thompson Arboretum (BTA) would like to express its full support for the Bullion Plaza proposal for a Community Challenge grant to help reestablish a historic landscape, construct a water-harvesting demonstration system, and provide assistance to incorporate the landscape at Bullion Plaza as part of the greater urban forest.

The mission of BTA is to instill in people an appreciation of plants through the fostering of educational, recreational, research and conservation opportunities associated with the world's arid land plants. It would be impossible for BTA to fully achieve its mission without the help of its partners. BTA uses Bullion Plaza annually as a platform for education and to publicize its efforts in research and conservation. As such, BTA is more than willing to assist Bullion Plaza in achieving the goals set forth in its grant application. BTA has expertise in plant selection, signage, and the resources to provide limited amounts of plants material and signage which can help spur the redevelopment and other points described in this grant application.

Bullion Plaza has a rich history in the area from the 1920s forward and continues to be a contributing part of the community that is well worth supporting. The historical plant palette is a natural extension of the current focus of Bullion Plaza as an evolving historical museum that represents the ethnic and cultural diversity of Globe-Miami. Having a similar history starting in 1924, BTA is proud to be a partner with Bullion Plaza. If you have any additional questions, please do not hesitate to contact me.

Truly yours,

**Mark Siegwarth
Executive Director
Boyce Thompson Arboretum**

37615 US Hwy. 60
Superior, Arizona
85173-5100
520.689.2723
Fax: 520.689.5858
arboretum.ag.arizona.edu





October 15, 2014

Arizona State Forestry Division
Urban & Community Forestry
1110 W. Washington, Ste. 100
Phoenix, AZ 85007-2935

For Your Consideration:

The Board of Directors of Bullion Plaza Cultural Center & Museum and I are pleased to offer our support of the Urban & Community Forestry Grant submission.

It is our opinion that this submission does fall within our mission, and that it will renew what has been lost from the surroundings, as well as the historical appearance of Bullion Plaza. In addition, this will help educate, inform, enhance, and renew Bullion Plaza as a positive focal point of the community.

With this understanding, we offer our financial and volunteer support, and no small amount of anticipation. If you have any questions, please feel free to contact me at the numbers listed below.

With Regards,

A handwritten signature in dark ink, appearing to read "Jose M. Sanchez", is written over the typed name.

Jose M. Sanchez
President of the Board of Directors
Bullion Plaza Cultural Center & Museum
P.O. Box 786
Miami, AZ 85539

Museum: (928) 473-3700
Cell: (602) 432-7474

P.O. BOX 786, MIAMI, AZ 85539



TOWN COUNCIL

Rosemary Castaneda, Mayor
Susan Hanson, Vice-Mayor
Michael Black
Robert Baeza
Darryl Dalley
Don Reiman
Sammy Gonzales

TOWN OF MIAMI
"Copper Center of the World"

500 W. Sullivan St.
Miami, AZ 85539
928-473-4403

ADMINISTRATION

Joe Heatherly
Town Manager
Karen Norris
Town Clerk
Rachelle Sanchez
Finance Director

October 16, 2014

Bullion Plaza Cultural Center & Museum
Attention: Thomas N. Foster – Executive Director
P.O. Box 786
Miami, Arizona 85539

Dear Mr. Foster

As per our conversation of last week, in reference to your pending grant submission to Arizona State Forestry – Community Forestry – Community Challenge Grant Program... I would like to take this opportunity to offer support of this submission.

The proposed improvements and enhancement to the Bullion Plaza and its surroundings will be of great benefit to the community and offer a renewed element of education and improved visual impact. In part – this will be accomplished with the addition of trees and plant that are water friendly and drought resistant.

If you have any questions please feel free to contact me directly at the numbers listed below.

Sincerely

Joseph Heatherly
Town Manager
Town of Miami
500 West Sullivan Street
Miami, Arizona 85539

Phone Office: 928-473-4403
Cell: 480-433-1912